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SOURCE

Taegliche Rundschau.

DISCUSSES DEVELOPMENTS IN GERMAN HEAVY INDUSTRY

PRODUCE NEW TRUCK TRACTOR -- Berlin, Taegliche Rundschau, 12 Jun 51

The construction of steam-propelled tractors for trucking purposes has been incorporated in the production program of the LOWA Fahrzeug-und Geraetebau (Vehicle and Implement Building Plant of the Locomotive and Coach Combine) at Vetschau.

The government of the German Democratic Republic has instructed the plant to carry on further experiments in connection with this vehicle and has also assigned an initial quota for its production. At the 1951 Leipzig Spring Fair, the first model unit of a steam-propelled tractor produced in the GDR was exhibited by the LOWA Works of Werdau. The construction was greatly acclaimed by experts because steam tractors, which are propelled by low-temperature coke and brown coal briquettes possess considerable advantages over diesel and Otto (spark ignition) engines. While the operating cost per ton-kilometer is 20-24 pfennigs for standard trucks and heavy tractors equipped with gasoline engines, and 15 pfennigs for those having diesel engines, it costs only 3 pfennigs per ton-kilometer to operate steam-propelled tractors. Moreover, all materials required for the manufacture and operation of the new steam-propelled tractors are produced in the GDR.

The steam tractor is designed for heavy freight haulage. It is propelled by superheated steam of 25 atmospheres excess pressure which is produced in a water-tube boiler with a steam capacity of 500 kilograms per hour. The twocylinder steam engine develops a capacity of 65 horsepower; its maximum speed is 30 kilometers per hour with a maximum pulling force of 4,000 kilograms. The engine is being improved further, and it is planned to increase its capacity to 120 horsepower.

During 1951, the LOWA plant in Vetschau will work primarily on orders for the Reichsbahn (German Railroad), to carry out the planned quota.

large orders for the truck tractor have been received from Poland and other people's democracies, including China.

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EXPAND WANDERER MACHINE PLANT -- Berlin, Taegliche Rundschau, 25 Mar 51

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The first building project, under the Five-Year Plan, of the people-owned Wanderer Milling Machine Works in Chemnitz will be completed by the end of March, the date scheduled for completion of an assembly shop covering an area of 2,600 square meters. Construction of two other shops, to cover 5,200 square meters of floor space, is to begin in April. These shops are scheduled to be completed by the end of 1951.

RUSH NEW FURNACE FOR STEEL MILLS -- Berlin, Taegliche Rundschau, 10 Apr 51

The fifth Siemens-Martin furnace is now being built at the Hennigsdorf Steel and Rolling Mills.

It is expected that the furnace will be completed by 1 May, ahead of the planned target date.

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